

Home
Renewable Energy
Science/Electronics
Projects
Build Van de Graaff
Wimshurst machine
Kelvin water dropper
Electroscope
Corona motors
Ball bearing motor
Crystal radios
Tips and tricks
Crystal earphones
Using earbuds
Razor blade diode
Amplifier for speaker
Amplifier for earphone
Loop antenna radio
AM Radio Transmitter
Fresnel lens
Electrets
Piezoelectric
Electrolytic capacitor
Joule thief
Peltier/Seebeck effect
Franklin's bell
Can Stirling
Big Stirling
555 timer music
TEA laser
Laser diode fun
How Ion Prop. Works
Lifter/ionocraft
Star Trek Enterprise
Smoke precipitator
Moving with sound
Straw music instruments
Gravity light - DIY
Nitinol wire
Pyramid hologram
Arduino speech/Talkie
Arduino controlled Skull
Pinhole camera
Wireless electricity
Fly swatter powered CFL
Chlorophyll/fluorescence
Small SG Tesla coil
Photophone
Laser communicator
Hero's steam engine
Alcohol stove
Sunflower heat engine
BB-8 Droid
Ball cyclotron
Atmos. electricity
Photoelectric effect
Bottle rocket
Neural networks
Ornithopter
Curie temp. experiment
Lightning in bottle
Gyroscope - vinyl records
Raspberry Pi
Pepper's ghost phone
Potato chip circuit
Ion wind rotor
LED flashlight
Resources
Power supplies
HV Probes/measuring
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Efficiency & Conservation
Composting
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Space
Stories

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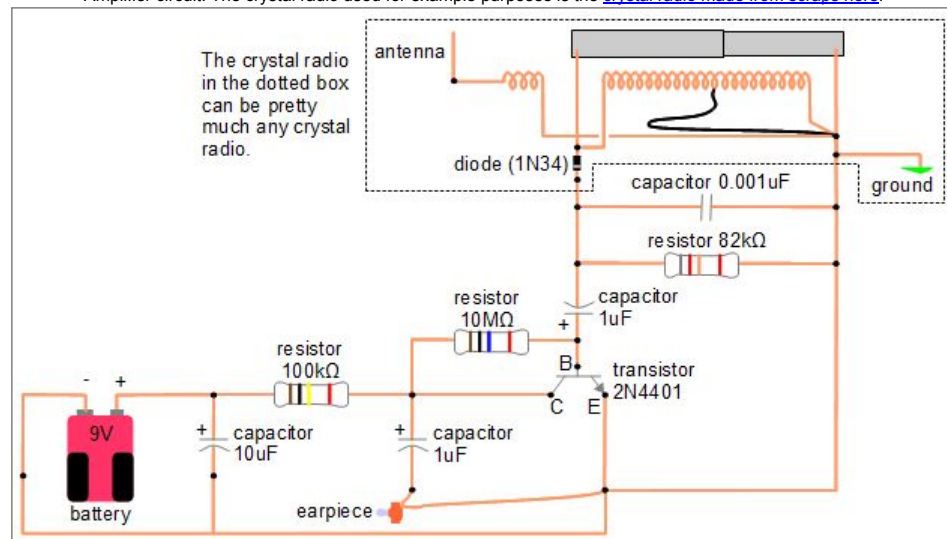
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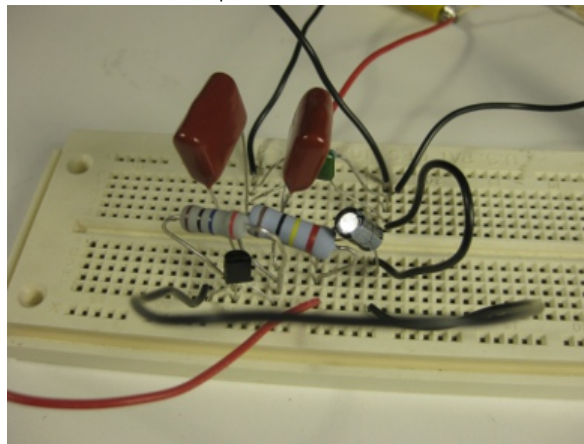
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This is a crystal radio amplifier for amplifying the output to a crystal earphone or telephone receiver earphone. It uses a single transistor and is very simple to make. This circuit is by Charles Wenzel and originated from his website [here](#).

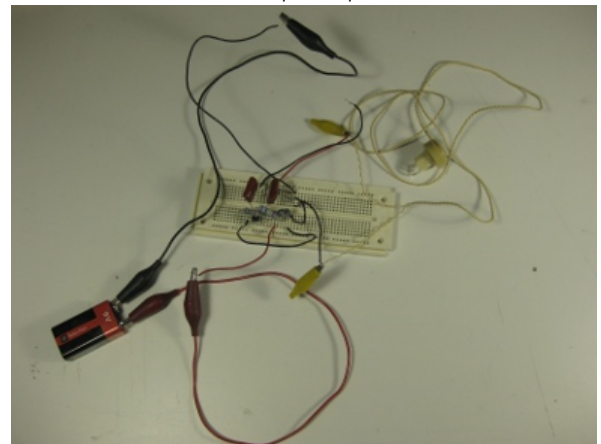
Amplifier circuit. The crystal radio used for example purposes is the [crystal radio made from scraps here](#).



The main components mounted on a breadboard.



The complete amplifier.



The amplifier attached to a [crystal radio](#).

AdChoices

Crystal Radio

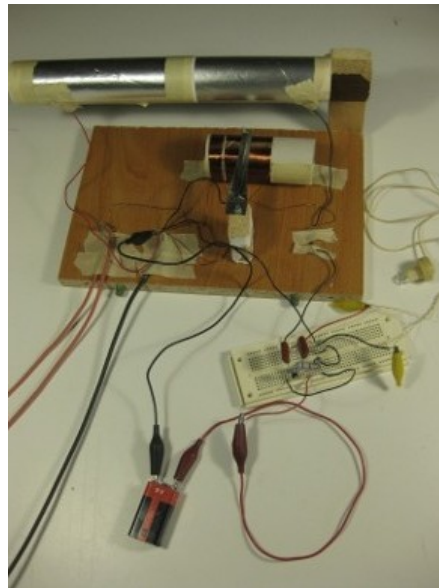
Building Kits

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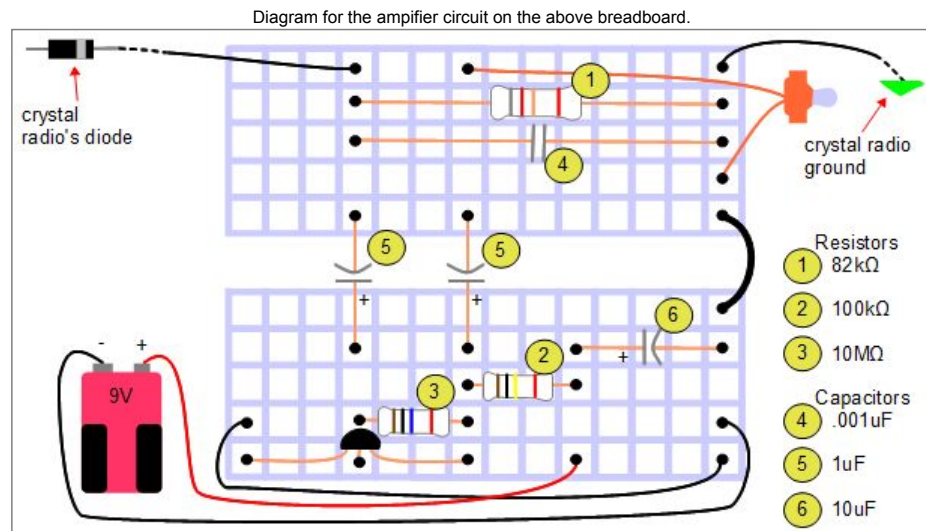
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If you did want to try making the above circuit on a breadboard as in the above photo, then the following is a diagram showing how I arranged all the parts. The videos below use this same arrangement.



Videos with details of the amplifier construction

The following are two construction videos of the making of this amplifier.

This first one includes:

- discussion about the parts,
- how to use a breadboard,
- circuit diagram and how to use it to fill in the breadboard,
- a little about electrolytic capacitors,
- a little about transistors,
- demonstration of it working, and
- a little about how the circuit works.